

SUPPLEMENTAL SPECIFICATION FOR PURCHASED DIRECT MATERIALS

SPECIAL INSTRUCTIONS FOR RoHS

1. Purpose

- 1.1. This specification is in addition to the Agilent Technologies, Inc. ("Agilent") [General Specification for the Environment](#) ("GSE"). This specification establishes additional chemical content restrictions for purchased parts, components, materials and products that are incorporated into (become part of) physical products sold by Agilent or under the Agilent brand names ("direct materials").

2. Use

- 2.1. This specification is only to be used when it is provided as a specification for an item, referenced on or in the Agilent specification drawings, and/or in the purchase contract for direct materials.
- 2.2. This specification should be applied with full consideration and compliance to other applicable standards and specifications, including but not limited to workmanship, quality, electromagnetic compatibility, and safety standards.

3. Additional Product Content Restrictions

- 3.1. In addition to the general and application-specific restrictions of Agilent's GSE, direct materials shall meet the additional restrictions per requirements detailed in the following sub-sections.
- 3.1.1. Directive 2002/95/EC of the European Union, restriction of the use of certain hazardous substances in electrical and electronic equipment (EU RoHS), as amended and published in the Official Journal of the European Union up to and including [Commission Decision 2010/122/EU](#) of 25 February 2010, defines the maximum concentration values (MCVs) for hazardous substances and provides for specific exemptions. Further amendments to this legislation shall apply to this sub-section unless specifically called out in a subsequent sub-section.
- 3.1.2. [Directive 2011/65/EU](#) of the European Union, restriction of the use of certain hazardous substances in electrical and electronic equipment (EU RoHS Recast), as published in the Official Journal of the European Union as of 8 June 2011. Further amendments to this legislation shall apply to this sub-section unless specifically called out in a subsequent sub-section.
- 3.1.2.a. [Delegated Directive 2015/863](#) as published in the Official Journal of the European Union as of 31 March 2015, amending Annex II to Directive 2011/65/EU as regards the list of restricted substances.
- 3.2. If a conflict exists between the requirements of this specification, the GSE, and any other requirements in the purchase contract, including the item specifications, the more stringent materials restriction limit will govern, unless an exception is agreed to in writing by Agilent.

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- 3.3.** Agilent's GSE is available on line at URL: <http://www.agilent.com/environment/GSE.pdf>.
- 3.4.** Please contact your Agilent Commodity Manager if you have questions about these special instructions.

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4. Indicator Marking or Labeling - Optional

4.1. Indicator

For each of the Section 3.1 sub-sections, Table 1 contains an Indicator Code referred to as “Indicator”. Each Indicator is associated with one or more of the sub-sections in Section 3.1. The Indicators in the table can be used to identify direct materials that meet the additional restrictions per the requirements detailed in the Section 3.1 sub-sections.

Table 1

Sequence Number	Indicator	Required 3.1. sub-sections
1	REU01	3.1.1. EU RoHS Directive 2002/95/EC 3.1.2. EU RoHS Recast Directive 2011/65/EU
2	REU02	3.1.2.a EU RoHS Amended Directive 2015/863

If marking or labeling of an item using the Indicator is specifically called out on the item drawing or in purchase documents, then the Indicator shall be placed on the item to designate compliance to the requirements of Section 3.1 of this document.

NOTE: The use of the Indicator is optional. It must be used if specifically required via a drawing or in purchase documents. For other applications, it is not required. Where labeling is desired, we prefer the use of this code rather than the use of “RoHS” or other labels that may have implied liabilities.

4.2. Content

The content of the Indicator shall be the characters or symbol listed in Table 1 in the column marked “Indicator” as per the requirements of Section 3.1.

4.3. Readability

The Indicator font type and size shall be as specified on the item drawing. If not so specified, it shall be of a font type and size that is clearly legible and readable by the unaided eye.

4.4. Placement

The location of the Indicator shall be as specified on the item drawing. If not so specified, it may be added to an existing label such as the part number label or may be separate mark or label. The location of the Indicator shall not interfere with the use or function of the item and be acceptable to Agilent.

4.5. Durability

The Indicator shall be clearly legible. Adhesive labels shall not have worked loose or become curled at the edges during the follow-on manufacturing processes, normal use, or after the following treatments:

- Rubbed by hand without undue pressure for 30 seconds
- Rubbed for 30 seconds with each of the following using a cloth soaked with the substance:
 - Specified cleaning agent if so identified
 - Isopropyl alcohol

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- Water

4.6. Additional Notes

The RoHS Indicator code (i.e. REU01) will only be changed when there is a regulatory update going into effect that significantly affects Agilent parts. Examples include the addition of a substance to EU ROHS, a change in allowable concentrations of existing substances, or the addition of a new regulation. Changes that will not lead to an update include changes in applicable exemptions or changes in EU RoHS that do not have implementable impacts on Agilent (i.e. the EU RoHS Recast a.k.a 'RoHS II'). This document will be updated with a new version of the RoHS Indicator code when appropriate.

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SPECIFICATION REVISION HISTORY

Revision	Changes	Approval	Date
1	Initial release	MFC	03/01/09
2	Addition of ISO document control and approval information	MFC	03/04/09
A	<ol style="list-style-type: none"> Drawing number prefix removed. Drawing revision code changed from numeric to alpha. Added Section 3; Table 1 and Section 4 to facilitate item marking. Master document moves to MatrixOne. 	MFC	04/30/09
B	<ol style="list-style-type: none"> Moved all indicator code information into section 4. Added section 4.6 Additional Notes. Added EU RoHS recast reference. Revision by Julie Silk and Amy Polzin 	Robert Tait	22 July 2011
C	<ol style="list-style-type: none"> Revised 2.1 to include that this spec may be a provided spec, which accommodates items with no drawings. Revised 3.1.1 to include Commission Decision date and link. 	Robert Tait	23 Aug 2012
D	Updated to reflect Agilent post-split organization	Aimee Whaley	1 Nov 2014
E	<ol style="list-style-type: none"> Added section 3.1.2.a to reference the Amended Directive 2015/863, adding 4 Phthalates to restricted substances Revised table in 2.1 to increment Indicator code. 	Lynn Jacobsen	1 Nov 2017

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